layer;

10 Claims

What is claimed is:

5 1. A method of manufacturing a luminescent screen assembly on a faceplate panel of a color cathode-ray tube, comprising:

applying an organic conductive layer on the faceplate panel; applying an organic photoconductive layer on the organic conductive

charging the organic photoconductive layer to a desired voltage, thereby

giving the organic photoconductive layer a surface charge of one polarity;

sequentially discharging selected portions of the charged organic photoconductive layer; and

affixing a color-emitting phosphor having a charge of the opposite polarity as that

of the organic photoconductive layer onto the charged portions of the organic photoconductive layer after each discharging step.

- 2. The method of claim 1 wherein the negative voltage is within a range of about
- 200 volts to about 600 volts.
- 3. The method of claim 1 wherein the color emitting phosphors are positively charged within a range of about 2 μC/gram to about 10 μC/gram.
 - 4. The method of claim 1 wherein the positive voltage is within a range of about
 - + 200 volts to about + 600 volts.

5. The method of claim 1 wherein the color emitting phosphors are negatively charged within a range of about -2 μ C/gram to about -10 μ C/gram.

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6. A method of manufacturing a luminescent screen assembly on a faceplate panel of a color cathode-ray tube (CRT), comprising:

applying an organic conductive layer on the faceplate panel; applying an organic photoconductive layer on the organic conductive

5 layer;

charging the organic photoconductive layer to a desired voltage, thereby

giving the organic photoconductive layer a surface charge of one polarity;

sequentially discharging selected portions of the charged organic photoconductive layer; and

affixing a color-emitting phosphor onto the organic photoconductive layer

after each discharging step, wherein

for at least one charging, discharging, and affixing sequence, the organic

photoconductive layer has a surface charge of one polarity and the corresponding color-emitting phosphor has a charge of the opposite polarity; and

for at least one other charging, discharging, and affixing sequence, the organic

photoconductive layer has a surface charge of one polarity and the corresponding color-emitting phosphor has a charge of the same polarity.